Table A.3.3. Central Yard SWMU 12 Summary of Boring Log Data and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria[5]
S1391 1/16/03 RFI (2nd iteration) SWMU 12	12	--	Fill: 0-10	1749 (8.5-9)	O,U,F	S1391E2 (8.5-9)	Phenols, Pb, TOL	None (TOL Det.Limit> criteria)
S1390 1/16/03 RFI (2nd iteration) SWMU 12	8	6	Fill: 0-8	148 (3.5-4)	O,U,F	S1390B4 (3.5-4)	BTEX	None
S0739 (MW104) 8/15/02 Full RFI	20	15	Fill: 0-8.5: Silt: 8.5-9 Clay: 9-11 Silt: 11-12 Clay: 12-15 Sand: 15-16 Silt: 16-17 Clay: 17-18 Silt: 18-19 Clay: 19-20	48 (4-4.5)	P,U,F	S0739A4 (1.5-2)	V, S, M	Iron: 40700 mg/kg
					P,U,F	S0739C1 (4-4.5)	V, S, M	Iron: 27500 mg/kg
					P,S,N	S0739H3 (5-15.5)	V, S, M	None
					Water	MW104 (12/11/02)	V, S, M, water quality	3-Methyl-3-Pentanol: 180J ug/L Unknown SVOC TIC: 950J ug/L
S0732 7/9/02 RFI SWMU 12	9	--	Fill:0-6.5 Native: gray clay	726 (4.5-5)	O,U,F	S0732A4 (1.5-2)	V, S, Pb, TOL	None
					O,U,F	S0732C1 (4-4.5)	V, S, Pb, TOL, SPLP pb	**Benzene: 5.18 mg/kg** Xylenes: 303 mg/kg
					O,U, N	S0732D4 (7.5-8)	V, S, Pb, TOL	None
S0731 7/8/02 RFI SWMU 12	6	--	Fill: 0-4 (gray to black stained sand at 4-4.5) Native: gray clay	29.2 (4.5-5)	P, U, F	S0731A4 (1.5-2)	V, S, Pb, TOL	None
					P, U, F	S0731B (2-4)	Phys. Char.	
					P, U, F	S0731C1 (4-4.5)	V, S, Pb, TOL	None

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					P, U, N	S0731C4 (5.5-6)	V, S, Pb, TOL	None
S0730 7/8/02 RFI SWMU 12	6	--	Fill: 0-4.5	2.4 (0-0.5)	O,U,F	S0730A2 (0.5-1)	S, Pb, TOL	None
			Native: gray clay		O,U,F	S0730A4 (1.5-2)	V	None
					O,U,F	S0730B2 (2.5-3)	V, S, Pb, TOL	None
					O, U,N	S0730C4 (5-5.6)	V, S, Pb, TOL	None
S0489 8/6/99 2nd OWSS (CY2)	4	--	Fill: 0-4 (reddish staining at 3.5-4, hydrocarbon odor)	204 (3-4)	O,U,F	S0489B4 (3.5-4)	V, S, M, TPH	None
S0488 8/6/99 2nd OWSS (CY2)	4	--	Fill: 0-4 (black staining at 3.5, hydrocarbon odor)	22.2 (3-4)	O,U,F	S0488B4 (3.5-4)	V, S, M, TPH	None
H0288 7/29/99 2nd OWSS (CY2)	12	7	Fill: 0-9.5 (odor at 0-4) Native: Clay: 9.5-12	3 (2-3)	Water	H0288	V, S, M	**Benzene: 9 µg/L** Arsenic: 16.5µg/L Lead: 40.4 µg/L Nickel: 207 µg/L
H0287 7/29/99 2nd OWSS (CY2)	16	5.5	Fill: 0-5 (; black staining at 3.5, hydrocarbon odor) Native: Clay: 5-11.5 (MnO_2 staining at 5-8) Sands: 11.5-16	20 (4-5)	Water	H0287	V, S, M	Lead: 14.4 µg/L
H0286 7/29/99 2nd OWSS (CY2)	16	3	Fill: 0-5 Clay: 5 to 12 (hydrocarbon odor 3-8; 10 to 12; 15-16)	59 (8-9)	Water	H0286	V, S, M	**Benzene: 2 µg/L**

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H0194 1/21/99 1st Groundwater Addendum SWMU 12	14	10.5	Fill: 0-6 (hydrocarbon odor at 2.2-6) Silt: 6-10 Sand: 10-12 (hydrocarbon odor at 10-14) Sand to silt: 12-14 (wood @ 13.7)	2838 (5-6)	Water	H0194	V, M	**Benzene: 28 µg/L** Xylenes: 280 µg/L Arsenic: 9.32 µg/L Lead: 18 µg/L
HP0102 1st Groundwater SWMU 12	13	12	See SB-0047 and SB-0048	1500	Water	HP0102 (6-16)	V, S, Pb	Lead: 150 µg/l
SB0048 10/26/95 1st Soils SWMU 12	12	8.5	Fill: 0-7.7 (petroleum odor at 3.9-7.7) Native: gray clay/silt	6407 (4-6)	O,U,F	SB0048SB (2-4)	V, S, M, TEL	Xylenes: 94 mg/kg
SB0047 10/26/95 1st Soils SWMU 12	10	7	Fill: 0-10 (black to dark gray staining at 2-10)	414 (2-4)	O,U,F	SB0047SB (2-4)	V, S, Pb, TEL	2,4-dimethylphenol: 16 mg/kg TEL: 2.67 mg/kg Lead: 1060 mg/kg
U012017 10/26/95 1st Soils SWMU 12	10	2	Fill: 0-6.9 Native: gray silt	0	None			
U012015 10/26/95 1st Soils SWMU 12	12	8	Fill: 0- 9.5: (petroleum staining at 3.1) Native: gray silt	3 (2-4)	None			
U012014 10/26/95 1st Soils SWMU 12	10	4	Fill: 0-8: Native: orange-gray silt: 8-10	6 (2-4)	None			
U012013 10/26/95 1st Soils SWMU 12	10	7	Fill: 0-6.5: (concrete at 5.25-5; petroleum odor and staining at 2) Native: gray silt	70 (6-8)	None			
U012009 10/26/95 1st Soils SWMU 12	11	7	Fill: 0-6.6 Native: gray silt	133 (1-3)	None			

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U012008 10/26/95 1st Soils SWMU 12	11	7	Fill: 0- 9 Native: gray silt: 9-11	361 (8-10)	None			

NOTES:

Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)

Shaded rows indicate samples collected from nearby SWMUs/AOCs

ppm_v = parts per million (volume basis)

All depths referenced on this summary table are in feet below the ground surface.

PID = Photoionization detector.

ID = Identifier.

mg/kg = milligrams per kilogram (equivalent to parts per million).

µg/L = micrograms per liter (equivalent to parts per million).

[1]Depth to water as observed during borehole advancement.

[2]"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.

[3]P – property boundary, O – on-site, U – unsaturated, S – saturated, F – fill, N – native. "None" indicates that no sample was collected.

[4]V – VOCs, S – SVOCs, M – metals, Pb – lead, TOL – total organic lead, TEL – tetraethyl lead, TPH – Total Petroleum Hydrocarbons; SPLP -- Synthetic Precipitation Leaching Procedure; -Phys. Char. -- physical characteristics.